

CLAIMS

1. A lever with cam followers of a cam weave mechanism, said lever being fitted with two rollers supported by a core, while said rollers are each mounted between two flanges of a pair of flanges fitted to said core, characterized in that said flanges (22A, 22B, 23A, 23B) are globally flat, in that a first flange (22A, 22B) of each pair (22A, 23A, 22B, 23B) of flanges is partially engaged in a recessed housing (21C, 21G) made on a lateral face (21D, 21F) of said core (21) while the second flange (23A, 23B) of the same pair is held at a distance (E) from the first, and in that the recessed housings (21C, 21G) provided for the first flanges (22A, 22B) of the two pairs of flanges (22A, 23A, 22B, 23B) are made on two opposite lateral faces (21D, 21F) of said core (21).
2. The lever as claimed in claim 1, characterized in that it comprises a spacer (24A, 24B) for the spacing of said second flange (23A, 23B) and of said core (21).
3. The lever as claimed in claim 1, characterized in that said second flange (23A, 23B) is provided with a heel (23A1, 23B1) for pressing on said core (21), said heel making it possible to hold a main portion of said second flange at a distance (E) from a main portion of the first flange (22A, 22B).
4. The lever as claimed in claim 1, characterized in that said core (21) is provided with at least one heel (21J, 21K) for pressing on said second flange (23A, 23B), said heel making it possible to hold the main portions of said first and second flanges at a distance (E).

5. The lever as claimed in one of the preceding claims, characterized in that the respective mid-planes (P_{20A} , P_{20B}) of said rollers (20A, 20B) are parallel, situated either side of and substantially at equal distances from a mid-plane (P_{21}) of said core (21).
6. The lever as claimed in one of the preceding claims, characterized in that each roller (20A, 20B) is mounted about its respective articulation shaft (27A, 27B) by means of a roller bearing, whose rolling elements (28A, 28B) are held in position by means of two plates (29A2, 29B1, 29B2) placed either side of said shaft, between said shaft and each of the flanges (22A, 23A, 22B, 23B) of one and the same pair, said plates extending radially, from said shaft, at least to said rolling elements, a portion (27A1, 27A2) of said shaft and said plates forming a stack (27A2, 27B2) immobilized between said flanges.
7. A method of manufacturing a lever with cam followers of a cam weave mechanism, said lever being fitted with two rollers supported by a core provided with a bore for mounting on an articulation shaft characterized in that it comprises steps consisting in:
 - a) mounting two pairs of two globally flat flanges (22A, 23A, 22B, 23B) onto said core (21), partially engaging one flange (22A, 22B) of each pair in a recessed housing (21C, 21G) made in a lateral face (21D, 21F) of said core,
 - b) immobilizing said flanges on said core, particularly by riveting (26), then
 - c) drilling bores for an articulation shaft (27A, 27B) of a cam follower (20A, 20B) to pass into each pair of flanges,

- d) engaging a roller and, where necessary, a portion (27A1, 27B1) of its articulation shaft between the two flanges of each pair, and
 - c) installing and immobilizing relative to said flanges all or a portion (27A2, 27B2) of the shafts for articulating said rollers on said lever.
8. The method as claimed in claim 7, characterized in that it comprises a step consisting in interposing a separating spacer (24A, 24B) between another flange (23A, 23B) of each pair and said core (21).
9. The method as claimed in one of claims 7 or 8, characterized in that, during step d), the user also engages, between the flanges (22A, 23A, 22B, 23B), plates (29A2, 29B1, 29B2) for laterally holding rolling elements (28A, 28B) forming a bearing between said roller (20A, 20B) and its articulation shaft (27A, 27B).
10. A cam weave mechanism (10), characterized in that it comprises at least one lever (11) as claimed in one of claims 1 to 6 or manufactured according to a method as claimed in one of claims 7 to 9.